

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
MARCH 2021 WATER QUALITY DATA

FIELD MEASUREMENTS

| DATE | TIME | TEMP | PH | D.O. | SPECIFIC CONDUCTIVITY |
|------------|---------|-------------------|-----|---------------------|-----------------------|
| (MM/DD/YY) | (HH:MM) | (°C) ¹ | | (mg/L) ² | (µS/cm) ³ |
| 03/16/21 | 10:19 | 15.5 | 7.7 | 5.6 | 4,959 |

FIELD OBSERVATIONS

03/16/21 10:16- Ambient air temp 58°F. Water color is dark green. Sky is hazy. Wind 6 miles per hour. No foam present. Little odor.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE | TIME | FECAL COLIFORM |
|------------|---------|---------------------------|
| (MM/DD/YY) | (HH:MM) | (MPN/100 ML) ⁴ |
| 03/16/21 | 10:33 | 2,400 (1:10 dilution) |
| 03/16/21 | 10:36 | 5,400 (1:10 dilution) |
| 03/16/21 | 10:35 | 3,300 (1:100 dilution) |
| 03/16/21 | 10:34 | 3,300 (1:100 dilution) |

¹ Water temperature is reported in units of degrees Celsius (°C).

² Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

³ Specific conductivity is reported in units of microSiemens per centimeter.

⁴ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE | CONSTITUENT | METHOD | REPORTING LIMIT | CONCENTRATION (mg/L) ⁵ |
|----------|-------------------------|----------------|-----------------|-----------------------------------|
| 03/16/21 | Ammonia as Nitrogen | SM 4500 NH3 HG | 1 | 11 |
| 03/16/21 | Ammonia as Nitrogen | SM 4500 NH3 HG | 1 | 11 |
| 03/16/21 | Total Kjeldahl Nitrogen | EPA 351.2 | 1 | 14 |
| 03/16/21 | Total Kjeldahl Nitrogen | EPA 351.2 | 1 | 14 |
| 03/16/21 | Total Phosphorus | SM 4500-P BE | 0.1 | 2.3 |
| 03/16/21 | Total Phosphorus | SM 4500-P BE | 0.1 | 3.7 |
| 03/16/21 | Total Suspended Solids | SM 2540 D | 5 | 49 |
| 03/16/21 | BOD ⁶ | SM 5210 B | 5 | 17 |
| 03/16/21 | BOD | SM 5210 B | 5 | 16 |
| 03/16/21 | Arsenic | EPA 200.8 | 0.001 | 0.006 |
| 03/16/21 | Arsenic | EPA 200.8 | 0.001 | 0.006 |
| 03/16/21 | Selenium | EPA 200.8 | 0.0005 | 0.008 |
| 03/16/21 | Selenium | EPA 200.8 | 0.0005 | 0.008 |

⁵ The concentrations are reported in units of milligrams per liter.

⁶ Biochemical Oxygen Demand.